GenCore version 5.1.4\_p5\_4578 Copyright (c) 1993 - 2003 Compugen Ltd.

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Run on:	March 3, 2003, 21:30:10 ; Search time 4788 Seconds (without alignments)
	10606.599 Million cell updates/sec
Title: Perfect score:	US-10-017-621-3 1745
Sequence:	1 tggaagcagcgtaaaggatggttcacctgcccacttgtcc 1745
Scoring table:	IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Total number of hits satisfying chosen parameters: 2054640 seqs, 14551402878 residues Minimum DB seq length: 0 Maximum DB seq length: 50 Searched:

841850

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	171 H 721 Se	A93722 Sequence 9	3452	ლ ი		4	8 Sequence	TOOSE SEGUENCE 15	Sequence 1	AX186238 Sequence	edneuce		Sednence	ednence	Sequence			AKZUULZB Sequence I68030 Sequence 13	Sequence	AR083818 Sequence	1 1 2	ynthetic	I12501 Sequence 18		I12502 Sequence 19	ч	AX036348 Sequence	AXU36350 Sequence	. "	2		Seduence 2	720 56	9/0 Seguence	* co	
SUMMARIES	ID	<b>.</b>	A93722 I84671	5		4 4	3254	0	129284	AX248015	AX186238	A98791	σı	AR0220/4	192864	AR079723	AR081253	AR170613	168030	AX225269	AR083818	AX233404	A07324	112501	A07325	112502	E52011	AX036348	AX036350	BD004595	2342	323	117261	200	ARU32970 AR209634	964	ALIGNMENTS
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			for		2909	ase;		
			mRNA		GI:4:	y kina	ens.	sue
		HSHCAK	H.sapiens	x76171	X76171.1 GI:429096	activating	Homo sapiens	Homo sapiens
	RESULT 1 HSHCAK	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM

PRI 08-AUG-1995

linear

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dasas 1 to 49)
1411, F.L.
Direct Submission
Submitted (08-NOV-1993) F.L. Hall, Childrens Hospital Los Angeles, REFERENCE AUTHORS TITLE JOURNAL

PAT 22-JAN-2000

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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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unidentified
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1 (bassi to 50)
Rose-John S.
CONJUGATE FOR MODIFYING INTERACTIONS BETWEEN PROTEINS
Patent: WO 9732891-A 9 12-SEP-1997;
ANGEWANDTE GENTECHNOLOGIE SYST (DE); ROSE JOHN STEFAN (DE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 47)
Avraham, H.Karsenty. and Godowski, P.J.
Avraham, H.Karsenty. and Godowski, P.J.
Methods and kits using macrophage stimulating protein
Patent: US 5696086-A 5 09-DEC-1997;
Location/Qualifiers
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66.7%; Pred. No. 1.6e+06;
Live 0; Mismatches 16;
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0; Mismatches 13;
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AXI59452.
AXI59452.1 GI:14540783
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Sequence 5 from patent US 5696086.
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/db_xref="taxon:32644"
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9 from Patent WO9732891
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Division of Orthopaedic Surgery, 4650 Sunset Boulevard, Los Angeles, CA, 90027, USA (baseles, Lo 49)
Wu.L. and Hall,F.L.
Unpublished (baseles) (ba
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Rose-John, S.
CONJUGATE FOR MODIFYING INTERACTIONS BETWEEN PROTEINS
PALENT: WO 9732891-A 8 12-SEP-1997;
ANGEWANDTE GENTECHNOLOGIE SYST (DE); ROSE JOHN STEFAN (DE)
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                                                                                                                                                                        Molecular cloning of the human CAKI gene encoding a cyclin-dependent kinase-activating kinase oncogene 9 (7), 2089-2096 (1994) 94268852 8208556
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Best Local Similarity 66.0%; Pred. No. 1.3e+06;
Matches 33; Conservative 0; Mismatches 17; Indels
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/cell_type="Ewings sarcoma"
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Pred. No. 7.8e+05;
0; Mismatches 12;
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/db_xref="SPTREMBL:014495"
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/db_xref="taxon:32644"
4 c 26 g 13
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IARC EW-1"
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A93721
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PAT 04-APR-1998

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PAT 22-JUN-2001

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Transplastomic plants
Patent: WO 0206497-A 53 24-JAN-2002;
International Centre for Genetic Engineering and Biotechnology (IT)
Location/Qualifiers
      Patent: WO 0142441-A 53 14-JUN-2001;
International Centre for Genetic Engineering and Biotechnology (IT)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                               PAT 18-MAR-2002
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Edwards, C.A., Cantor, C.R., Andrews, B.M., Turin, L.M. and Fry, K.E.
Method of determining DNA sequence preference of a DNA-binding
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                                                                                                                                                           Length 42;
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Pred. No. 2.8e+06;
0; Mismatches 6;
                                                               /organism="synthetic construct"
/db_xref="taxon:32630"
/note="Primer"
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1S 5869241.
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Location/Qualifiers
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Sequence 53 from Patent WOO206497.
AX382049
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    .42
    /organism="synthetic complex xef="taxon:32630" /note="Primer"

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AR032544
AR032544.1 GI:5948149
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l Similarity 80.6%;
25; Conservative
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

(cargill, M., Ireland, J.S. and Lander, E.S.
Human single nucleotide polymorphisms
Patent: WO 0166800-A 752 13-SEP-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
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22 c 13 g 8 t
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              1 (bases 1 to 50)
Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 014021-A 2780 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
                                                                                                                    1. .50
/Organism="Homo sapiens"
/db_rref="taxon:9606"
25. .26
/note="Nucleotide deleted between bases 25 and 26
Accession number cg42460243"
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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synthetic construct
artificial sequences.
1 (bases I to 42)
Reddy, S.I., Sadhu, L.I., Shukla, V.C. and Ferraiolo, G.I.
Plastid transformation
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Pred. No. 2e+06;
0; Mismatches 10; Indels
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80.0%; Pred. No. 2.6e+06;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
i a 11 c 7 g 4
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AX248673.1 GI:15863296
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Best Local Similarity 73.7%;
Matches 28; Conservative
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Best Local Similarity
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Length 46;

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PAT 28-SEP-2001

linear

DNA

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Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhin; Hominidae; Homo.
1 (bases 1 to 46)
Schlegel, R., Deeds, J., Berger, A. and Zhao, X.
Genlegel, R., Deeds, J., Kits, and methods for identification, assessment, prevention, and therapy of cervical cancer patent; Wo 042467-A 1993 14-JUN-2001;
Millennium Predictive Medicine, Inc. (US)
Location/Qualifiers
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 31)
Cargill,M., Ireland,J.S. and Lander,E.S.
Human single nucleotide polymorphisms
Patent: WO 0166800-A 94 13-SEP-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
          Unknown.
Unclassified.
Unclassified.
Unclassified.
Edwards.C.A., Cantor.C.R., Andrews,B.M. and Turin,L.M.
Edwards.C.A., Cantor.C.R., and Edwards.C.A., Cantor.C.R., Patenting assay for the detection of DNA-binding molecules Patent: US 5726014-A 156 10-MAR-1998;
Location/Qualifiers
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Pred. No. 3.5e+06;
1; Mismatches 6;
                                                                                                                                                                                                                                                                          1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCCAGCCCC 1679
                                                                                                                                                                                                         Score 21.4; DB 6;
Pred. No. 2.8e+06;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
a 9 c 8 g
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14 c 16 g
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AX248015.1 GI:15862638
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Best Local Similarity 77.4%;
Matches 24; Conservative
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Best Local Similarity 71.8
Matches 28; Conservative
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a
   Unknown.
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AX248015
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Edwards, C.A., Cantor, C.R., Andrews, B.M., Turin, L.M. and Fry, K.E. Sequence-directed DNA-binding molecules compositions and methods Patent: US 5578444 + 156 26-NOV-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                          Unclassified.

1 (bases 1 to 46)

Edwards,C.A., Cantor,C.R., Andrews,B.M., Turin,L.M. and Fry,K.E. Sequence directed DNA binding molecules compositions and methods Patent: US 6384208-A 156 07-MAX-2002;
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Sequence 156 from patent US 5578444.
129284
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Matches 25; Conservative 0; Mismatches 7; Indels
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I (bases 1 to 46)
Hegemann, P.
METHOD FOR PRODUCING NUCLEIC ACID POLYMERS
PATENT: WO 9910358-A 24 04-MAR-1999;
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LOCATION/Qualifiers
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Sequence 24 from Patent W09910358.
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Search completed: March 4, 2003, 00:06:28 Job time: 4794 secs

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3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments) 9203.131 Million cell updates/sec
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GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.
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Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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(CURA-) CURAGEN CORP.

Human H1 histone g Test sequence from DNA binding molecu PCTAIRE-1 polymorp Human cervical can Human SNP oligonuc DE19736591 primer RT-PCR primer/prob Primer 143 for hum		X 60 C	Human SNP oligonuc Hammerhead ribozym Human A2b adenosin Human adenosine A2 Low adenosine anti Human adenosine anti Human adenosine A1 Nucleotide sequenc Human single nucle
AAT63868 AAX17156 ABR82647 AAH62195 AAH70659 AAL34286 AAX22932 AAT07598	AAL27875 AAL72077 AAC50230 AAV6356 AAC96190 AAT91033 ABL54053 ABK48870	AAN 2077 AA231379 AA29127 AAS9127 AAS4358 AA24369 AA291309 AA267885 AAL29783	AAL34645 AAC82589 AAT76056 AAX53859 AAR19424 AAA33704 AAH74232 AAI30029
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## ALIGNMENTS

RESULT 1

neuroprotective; antimicrobial; gene therapy; vaccine; anylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; Human SNP oligonucleotide #7543. BP 28-DEC-2000; 2000WO-US35498. 28-DEC-1999; 99US-0173419. 27-DEC-2000; 2000US-0173419. AAL34335/c ID AAL34335 standard; DNA; 50 (first entry) WO200147944-A2 24-JAN-2002 05-JUL-2001 AAL34335; Ношо 

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                                                                                                                                                                                                                                                                                                                  variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytochromes, interferons, interleukins, proteins, cytochromes, kinesins, cytochromes, interferons, interleukins, cyclochromes, kinesins, cytochromes, interferons, interleukins, one such oligonucleotide. The oligonucleotides and the persent sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune systemic lupus erythromatosus and Grave's disease, inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, belakamia), diseases of the nervous system and an infection of pathogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                               Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                          The present invention relates to oligonucleotides encoding polymorphic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                 Claim 1; Page 3563; 4143pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABA04099;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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NAME OF THE PARTY 
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The present invention describes medicinal compositions (I) inhibiting beta-amyloid production comprising an active component a substance that inhibits the activity of cyclin-dependent kinase (CDK). Also described are: (I) a method for screening compounds for their ability to inhibit the production of beta-amyloid by contacting with beta-amyloid producing cells; and (2) screening kits. (I) have nootropic and neuroprotective activities. (I) suppress the phosphorylation of amyloid precursor protein (APP) which is an essential step in the production of beta-amyloid. (I) can be used in the treatment and prevention of neurodegenerative diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 beta-amyloid production comprising an active component a substance that inhibits the activity of cyclin-dependent kinase (CDK). Also described are: (1) a method for screening compounds for their ability to inhibit the production of beta-amyloid by contacting with beta-amyloid producing cells; and (2) screening kits. (1) have nootropic and neuroprotective activities. (1) suppress the phosphorylation of amyloid precursor protein (APP) which is an essential step in the production of beta-amyloid. (1) can be used in the treatment and prevention of neurodegenerative diseases such as dementia and Alzhaimer's disease. The present sequence represents a PCR primer which is used in the exemplification of the present
                                                                                                                                                                                                                        such as dementia and Alzheimer's disease. The present sequence represents a PCR primer which is used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes medicinal compositions (I) inhibiting
                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; beta-amyloid; cyclin-dependent kinase inhibitor; nerve cell; amyloid precursor protein; APP; Cdk5; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                 Length 33;
                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                               1.3%; Score 22.4; DB 24;
81.2%; Pred. No. 2.8e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hachiya S;
                                                                                                                                                                                                                                                                                                                  Sequence 33 BP; 6 A; 6 C; 11 G; 10 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 33 BP; 10 A; 11 C; 6 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human Cdk5 related PCR primer SEQ ID NO:19.
                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1018 GAGCTCAAGCTGGCTGACTTTGGCCTGGCCCG 1049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 GAGCTGAAATTGGCTAATTTTGGCCTCG 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kawabata S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 6; Page 23; 62pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (YAMA ) YAMANOUCHI PHARM CO LTD (SUZU/) SUZUKI T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABA04100 standard; DNA; 33 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-APR-2000; 2000JP-0131037.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-APR-2001; 2001WO-JP03555.
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                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-026209/03.
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nes 26; Conserv
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Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                    Human silent SNP containing nucleic acid SEQ:2780.
                                                                                                                                                                                                                                                                                                                                                    30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
                                                                                                                                                                                                                                                                                                                     30-NOV-2000; 2000WO-US32758.
                    AAI75839 standard; DNA; 50
                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                       Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                      (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-356160/37.
                                                                                                                                                                                                                                                    WO200140521-A2
                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Shimkets RA,
                                                                                                                                                                                                                                                                                    07-JUN-2001.
                                                                                   09-NOV-2001
                                                    AAI75839;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         therapy
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      AAI75839
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to the identification of nucleic acid molecules (AAI29513-AAI31314) from the human genome which include polymorphic sites which can predispose individuals to disease. Various genes from a number of individuals were resequenced and single nucleotide polymorphisms (SNPs) in these genes discovered. The method is useful for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid molecules from the human genome which include polymorphic sites, useful in methods for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype -
                                  Gaps
                                                                                                                                                                                                                                                                                                                Human; resequence; genotype; disease; forensic; paternity testing; single nucleotide polymorphism; SNP; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a
/standard_name= "sing!e nucleotide polymorphism"
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 Length 33;
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33.3%; Pred. No. 3.4e+04;
ve 0; Mismatches 5; Indels
                                  Indels
Score 22.4; DB 24;
Pred. No. 2.8e+04;
0; Mismatches 6;
                                                                                                                                                                                                                                                                               Human single nucleotide polymorphism (SNP) 97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 31 BP; 8 A; 11 C; 8 G; 4 T; 0 other;
                                                              1018 GAGCTCAAGCTGGCTGACTTTGGCCTGGCCCG 1049
                                                                                 32 GAGCTGAAATTGGCTAATTTTGGCCTGGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (WHED ) WHITEHEAD INST BIOMEDICAL RES.
                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lander ES;
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                                                                                                                                                                                                                                                                                                                                                                                                                   replace(16, T)
               81.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-MAR-2000; 2000US-0187510.
22-MAY-2000; 2000US-0206129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ilarity 83.3%;
Conservative
                                                                                                                                                                             AAI30264 standard; DNA; 31
                                                                                                                                                                                                                                               (first entry)
                               26; Conservative
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               Similarity
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es 25; Conserv
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                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
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                                                                                                                                                                                                              AAI30264;
Query Match
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               Best Local
                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                 Key
                                                                                                                                                              AAI30264
                                                                                                                                              RESULT
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AAT 3060 to AAI 9867 represent isolated human polymorphic polynucleotide sequences (I), which contain single nucleotide polymorphisms (SNPS).

AAMS 31314 to AAMS 31329 represent peptides related to human polymorphic AAMS 31314 to AAMS 31329 represent peptides related to human polymorphic contains a polymorphic polymorphic by and in vaccine production. (I) and the polypeptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polypeptides.

For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (I) may be used as antigens in the production of antibodies specific for polymorphic polypeptides. The antibodies may also be used as diagnostic agents for detecting the artivity.

The antibodies may also be used as diagnostic agents for detecting the contains and patients in samples.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.3%; Score 22; DB 22;
ilarity 73.7%; Pred. No. 4.2e+04;
Conservative 0; Mismatches 10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 50 BP; 7 A; 22 C; 13 G; 8 T; 0 other;
Claim 1; Page 901; 2653pp; English.
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es 28; Conserv
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AAI29606
ID AAI2
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AC AAI2
XX
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Gaps

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979 GACCTCAAGCCCCAGAACCTGCTCATCAAC 1008

Matches

ò g

2 GACATCAAGCCCCAGAACCTGCTGGTGGAC 31

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WPI; 2001-381671/40.
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                                                                                                                                                                                                                Sadhu L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200206497-A2
                                                                                                      08-DEC-1999;
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                        14-JUN-2001
                                                                                                                                                                                                                                                                                                                                                              recipient
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                                                                                                                                                                                                                Reddy S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD29563;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acid molecules from the human genome which include polymorphic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                              Human; resequence; genotype; disease; forensic; paternity testing; single nucleotide polymorphism; SNP; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sites, useful in methods for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype -
                                                                                                                                                                                                                                   /*tag= a
/standard_name= "single nucleotide polymorphism"
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                                           Human single nucleotide polymorphism (SNP) PCTAIRE3 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCR primer SR53 for amplifying a ifnG coding region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.2%; Score 21.4; DB 22;
80.6%; Pred. No. 4.9e+04;
tive 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31 BP; 6 A; 9 C; 8 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  577 GTCAGCCTATCTGAGATTGGCTTTGGGAAAC 607
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                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lander ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 34; 145pp; English.
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                                                                                                                                                                                                                  replace(16,C)
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22-MAY-2000; 2000US-0206129.
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18-OCT-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cargill M, Ireland JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ifnG; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                 WO200166800-A2
                                                                                                                                                    Homo sapiens
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                                                                                                                                                                                                                Variation
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AAH22523/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Obtaining a stable transplastome for producing a transplastomic cell, plant or seed, comprises transforming a recipient plastome with a polynucleotide comprising a 5' and 3' sequence homologous to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence represents a PCR primer for amplifying a ifnG coding region, used in generating expression vectors for ifnG in chloroplasts.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
1.2%; Score 21.4; DB 22;
Best Local Similarity 80.6%; Pred. No. 5.6e+04;
Matches 25; Conservative 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 42 BP; 15 A; 10 C; 11 G; 6 T; 0 other;
                                                                                                                                                                                                                             (ITGE-) INT CENT GENETIC ENG & BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ITGE-) INT CENT GENETIC ENG & BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                 Shukla V, Ferraiolo G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       270 ACGIGCTGCTCCTGGGGAACTTCGTTCTGCA 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 12; Page 127; 128pp; English.
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08-DEC-2000; 2000WO-EP12446.
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                                                                                                                              14-JUL-2000; 2000GB-0017369
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RESULT 1(
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                                  Producing a protein of interest, e.g., a pharmaceutically active protein, comprises expressing a polynucleotide fusion construct in plastid and producing a fusion protein comprising the protein of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA protein-binding assay; test sequence; screening sequence; promoter; target; TATA box; Herpes Simplex Virus; HSV; origin of replication; UL9; transcription factor; TFIID: ds.
                                                                                                                                                                                                                                                                                                                                                                               24; Length 42;
                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                                                                                                                                                        . 9
                                                                                                                                                                                                                                                                                                                                                                               Score 21.4; DB 24 Pred. No. 5.6e+04;
                                                                                                                                                                                                                                                                                                                                                     Sequence 42 BP; 15 A; 10 C; 11 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human H1 histone gene FNC16, target region.
                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence-directed DNA-binding molecules - pharmaceuticals and as molecular reagents
                                                                                                                                                                                                                                                                                                                                                                                                                             270 ACGTGCTGCTCTGGGGAACTTCGTTCTGCA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                           35 ACGTACGGGTCCTGGCGACCTTCGATCTGCA 5
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                                                                                              Example 1; Page 90; 92pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GENE-) GENELABS TECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                              vector for ifnG in chloroplasts.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAQ69406 standard; DNA; 46 BP
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                                                                                                                                                                                                                                                                                                                                                                                                    25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Andrews BM, Cantor CR,
                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
           WPI; 2002-171810/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1994-234711/28.
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A DNA protein-binding assay is provided, useful for screening
control libraries of synthetic or biological cpds. for their ability
to bind DNA test sequences. The assay is versatile in that any
number of test sequences can be tested by placing the test sequence
adjacent to a defined protein-binding screening sequence. Binding
of moils, to these test sequences changes the binding characteristics
of moils, to these test sequences changes the binding characteristics
of the protein moil to its cognate binding sequence. When such a moil
binds the test sequence, the equilibrium of the DNA:protein complexes
is disturbed, generating changes in the concentration of free DNA probe.
One application of this method is to eucaryotic general transcription
factors (e.g. TFIID), where the target region is typically selected
from DNA sequences adjacent to the binding site for the eucaryotic
transcription factor. Numerous exemplary test sequences are given:
the sequences in AAQ69251-731 and AAQ69850 correspond to promoter
targets (typically, TATA box-confy; sites) for human genes and the
sequences in AAQ69732-849 correspond to promoter targets for viral genes.
The test sequences may also be randomly generated. DNA:protein
interaction may be used for screening purposes, e.g. the Herpes Simplex
Virus (HSV) origin of replication and UL9 (see AAQ69851-52, AAQ69865 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Duplex DNA; target region; binding characteristic; DNA binding protein; TFIID; transcription factor; binding site; inhibition; enhance; cancer; inherited genetic disorder; alpha-D-galactosidase A; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human H1 histone gene FNC16 gene TFIID binding site.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.2%; Score 21.4; DB 15; Best Local Similarity 71.8%; Pred. No. 5.8e+04; Matches 28; Conservative 0; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 GCGGTGGATTGGACGCTCCACCAATCACAGGGCAGCGCC 40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Edwards CA,
Claim 28; Page 290; 587pp; English.
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91US-0723618.
92US-0996783.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-020402/02.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-MAR-1997
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23-DEC-1992;
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RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Test sequence; DNA-binding molecule; screening sequence; human; nucleic acid amplification; target; viral; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 1.2%; Score 21.4; DB 18;
1 Similarity 71.8%; Pred. No. 5.8e+04;
28; Conservative 0; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1641 GCGGCTGGAGGGATGCCACACCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 GCGGTGGATTGGACGCTCCACCAATCACAGGGCAGCGCC 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Test sequence from human H1 histone gene FNC16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 46 BP; 9 A; 14 C; 16 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fry KE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 3; Columns 179-180; 270pp; English.
Claim 6; Column 177-178; 264pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Edwards CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence attached to test sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GENE-) GENELABS TECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX17156 standard; DNA; 46 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93US-0171389.
91US-0723618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-0475228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             92US-0996783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93US-0123936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            95US-0475228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cantor CR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-152755/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-MAY-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US5869241-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Andrews BM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-JUN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX17156;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \overset{\times}{\times} \overset{\times}{\times} \overset{\times}{\circ} \overset{\times}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δ
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cest reaching the DNA sequence preference of a DNA-binding molecule. The method comprises: (i) adding a test molecule and a DNA-binding molecule. The method comprises: (i) adding a test molecule and a DNA-binding protein to method comprises: (i) adding a test molecule and a DNA-binding protein to oligonucleotides having a test sequence adjacent to a screening sequence, where the screening sequence binds to the DNA-binding protein with a binding affinity that is independent of the DNA sequence of the test sequence, and where the mixture of duplex DNA test oligonucleotides contains the mixture of duplex DNA test oligonucleotides and the DNA-binding protein of a time sufficient to permit binding of the test molecule to test sequences in the duplex DNA; (iii) separating unbound test coligonucleotides bound to binding protein; (iv) amplifying the unbound test oligonucleotides; (v) repeating steps (ii) to (iv); (vi) isolating the amplified test oligonucleotides; and (iii) sequencing the isolated test oligonucleotides; (v) repeating steps (vii) sequencing the isolated test oligonucleotides; and test sequences and test seque
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Decreasing transcriptional activity of genes for treating infections or cancer, by administration of an agent that binds to two non-overlapping regions of the gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        infection; human immunodeficiency virus; HIV; parasite; cancer; cardiovascular; respiratory; gastrointestinal; endocrine; metabolic; rheumatic; immunodejical; haematological; neurological; psychiatric; dermatological; ophthalmological; musculo-skeletal; urogenital disorder; ss.
specifically claimed target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA binding molecule screening; inhibition of transcription;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DNA binding molecule screening method test sequence #156.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fry KE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.2%; Score 21.4; DB 20;
Best Local Similarity 71.8%; Pred. No. 5.8e+04;
Matches 28; Conservative 0; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 GCGGTGGATTGGACGCTCCACCAATCACAGGGCAGCGCC 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Turin LM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 46 BP; 9 A; 14 C; 16 G; 7 T; 0 other;
    Sequences AAX17001 to AAX17600 represent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Andrews BM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GENE-) GENELABS TECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93US-0171389.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-0482080.
91US-0723618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92US-0996783.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-0354947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABK82647 standard; DNA; 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cantor CR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-442819/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for viral genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US6384208-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-DEC-1993;
07-JUN-1995;
27-JUN-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-DEC-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Edwards CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABK82647;
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Gaps . 0

Indels

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BP.

21

Length 21;

1.2%; Score 21; DB 22; I 100.0%; Pred. No. 5.4e+04;

 $\overset{\mathsf{x}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset{\mathsf{a}}}}{\overset$ 

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contain single nucleotide polymorphisms (SNPs). A method is included in the invention for analysing a nucleic acid sample, which consists of determining the base occupying any one of the polymorphic sites given in the SNP containing sequences. The nucleotide sequences can be used in the diagnosis or monitoring of diseases, such as cancer, inflammation, heart diseases, diseases of the cardiovascular system, and infection by microorganisms. The oligonucleotides are also useful in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical. SNP containing oligonucleotides are useful in medicines such as phenotype correlation, forensics, paternity testing, medicine and genetic analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cervical cancer; cytostatic; pre-malignant condition; gene therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 9 A; 4 C; 6 G; 2 T; 0 other;
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1.25; SCULE 2., Best Local Similarity 100.0%; Pred. No. 5.4

Matches 21; Conservative 0; Mismatches
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2000US-0189315.
2000US-0203791.
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2000US-0220114
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09-JUN-2000;
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                                                                                                                   in a duplax deoxyribonuclaimethod to uctrasting trainscriptional activity of a duplax deoxyribonuclaimethod to uctrasting trainscriptional activity contacting (T1) with a binding agent comprising at least one small duplax DNA-binding molecule (T2) coupled to at least one other small duplax. Binding molecule (T2) coupled to at least one other small duplax. Binding molecule (T2) coupled to at least one other small duplax. Sequence (T3) The method is useful for inhibiting transcription of a range of disease-related genes for treating infections (by viruses, including human immunodeficiency virus, bacteria, fungi, protozoa and parasites), cancer, cardiovascular, respiratory, gastrointestinal, neurological, parasites), cancer, cardiovascular, respiratory gastrointestinal, neurological, psychiatric, dermatological, popthalmological, neurological, psychiatric, dermatological, popthalmological, musculo-skelatal, genetic or urogenital disorders. The method provides sequence-specific inhibition of transcription of pathological genes without affecting transcription of cellular genes regulated by the same transcription factor, and can be applied to regulation of any gene. The method of the invention.
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                                                                                             invention relates to a method of decreasing transcriptional activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New nucleic acid segments of the human genome, particularly from genes including polymorphic sites, for phenotype correlation, forensics, paternity testing, medicine and genetic analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Single nucleotide polymorphism; SNP; human; cancer; inflammation; heart disease; paternity testing; forensic science; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /standard_name= "single nucleotide polymorphism"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.2%; Score 21.4; DB 24; Length 46; 71.8%; Pred. No. 5.8e+04; ative 0; Mismatches 11; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCTAIRE-1 polymorphism containing DNA fragment #96
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 46 BP; 9 A; 14 C; 16 G; 7 T; 0 other;
                     Example 15; SEQ ID No 156; 98pp; English.
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Best Local Similarity
Matches 28; Conserv
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99US-0169681

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cervical cancer with cytostatic activity. The nucleic acids and encoded polypeptides are useful: to assess if a patient is affiliated with cervical cancer or has a pre-mailgnant condition; to monitor the progression of cervical cancer or a premalignant condition in a patient; and to select and/or assess the efficacy of a compound or therapy for inhibiting cervical cancer in a patient. The nucleic acids may also be useful for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to novel genes (AAH68727-AAH73383) associated with
                                                                                                                                                                                                                            isolated nucleic acid for diagnosing and treating cervical cancer for assessing and detecting compounds for treating the cancer \cdot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 46;
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(MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                 Berger A, Zhao X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.2%; Score 21;
                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 415; 1051pp; English.
                                                                             Deeds J,
                                                                                                                                                   WPI; 2001-375006/39.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, or proteins, cytochromes, kinesins, cytokines, interferons, interleukins, or such incompled receptors and thioesterases. The present sequence is one such oligonucleotide, and thioesterases and the peptides encoded diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                       Gaps
                       ;
                     Indels
Pred. No. 7.3e+04;
0; Mismatches 11;
                                                       550 AAGCCCTCAGCCGCCGCCTCGTCGTGTCAGCCTATC 587
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                                                                             41 AAGCGTCTCTGCAGCCGCCCNCCGCGGAGTGCTCCTATC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 3547; 4143pp; English.
                     ;
                                                                                                                                                                                                                                                                                                            Human SNP oligonucleotide #7494.
71.18;
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27-DEC-2000; 2000US-0173419.
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ID AAL34286 standard; DNA; 50
                                                                                                                                                                                                                                                                    (first entry)
                       Conservative
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 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200147944-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
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                       27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUL-2001
                                                                                                                                                                                                                                 AAL34286;
                     Matches
                                                                                                                                                          RESULT 15
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Gaps

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Query Match
1.2%; Score 21; DB 22; Length 50;
Best Local Similarity 66.7%; Pred. No. 7.6e+04;
Matches 30; Conservative 0; Mismatches 15; Indels

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Search completed: March 3, 2003, 22:46:23 Job time : 431 secs

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TOPOLOGY:
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241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Appli
Sequence 5, Appli
Sequence 9, Appli
                                                                                                                          3, 2003, 22:35:55 ; Search time 76 Seconds (without alignments) 7041.460 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                 1 tggaagcagcgtaaaggatg.....gttcacctgcccacttgtcc 1745
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/PcTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PcTUS_COMB.seq:*
        GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-334-177-5
PCT-US95-13830-5
US-08-157-346-5
US-08-157-3830-156
US-08-152-38A-156
US-08-475-228A-156
US-08-487-080-156
US-08-487-080-156
US-08-233-009-33-009-33-009-447
US-08-285-916-38
US-08-487-487-17-47
US-09-414-117-47
US-09-414-117-47
US-09-414-117-47
US-09-414-117-47
US-09-414-117-47
US-09-414-117-47
US-09-414-117-47
US-08-156-18A-13
US-08-156-18A-13
US-08-156-18A-13
US-08-156-18A-13
US-08-156-18A-13
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-08-030-731A-19
-09-100-664A-7
                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-358-972-235
US-09-430-615-25
                                                                                                                                                                                                                                                                                                                                                    441362 seqs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                       nucleic search, using sw model
                                                                                                                                                                                                                                                                                        IDENTITY_NUC Gapop 10.0 , Gapext 1.0
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                                                                                                                                                                                                           US-10-017-621-3
1745
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                                                                                                                                March
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Sequence 5, Application US/08334177
Patent No. 5696086
GENERAL INFORMATION:
APPLICANT: Arraham, Hava Karsenty
APPLICANT: Godowski, Paul J.
TITLE OF INVENTION: Methods and Kits Using Macrophage Stimulating Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                            US-08-475-228A-582
US-08-482-080A-582
US-09-34-94-94-582
US-09-312388-582
US-09-375-318-11
US-08-752-844-38
US-08-752-844-38
US-08-732-118-5
US-08-732-118-5
US-08-73-00131-5
US-08-73-00131-5
US-08-73-00131-5
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Pred. No. 5.8e+03;
0; Mismatches 13;
US-08-078-683A-27
US-08-206-176-19
US-08-171-389-582
US-08-123-936-582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-176-412-6
US-08-683-262B-32
US-08-555-268A-5
US-08-555-268A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: ISM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patim (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/334,177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: patin (Genericch)
CURRENT APPLICATION DATA:
PRILING DATE:
CLASSIFTCATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 35,600
3R: 912
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REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: 912
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.3%;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 30; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGIH: 47 bases
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Gaps

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; OTHER INFORMATION: Description of Artificial Sequence:Synthetic; CTHER INFORMATION: ribozymes and portions thereof US-08-507-426C-9
                                                                                                              Query Match 1.2%; Score 21.8; DB 4; Length 44; Best Local Similarity 70.7%; Pred. No. 7.2e+03; Matches 29; Conservative 0; Mismatches 12; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Edvards, Cynthia A. APPLICANT: Cantor, Charles R. APPLICANT: Andrews, Beth M. APPLICANT: Turin, Lisa M. APPLICANT: Turin, Lisa M. APPLICANT: Fry, Kirk E. TITLE OF INVENTION: Sequence-Directed DNA Binding TITLE OF INVENTION: Molecules, Compositions and Methods NUMBER OF SEQUENCES: 641
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                1559 CGTCGATGCCTGACTCAGGCAGCCAGCTTTCCGCGTGTG 1599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
US-08-171-389-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/171,389 FILING DATE:
                                                                                                                                                                                                                                         4 2 CCTTGGTGGACGACTCAGCACTCCTGCTTTGCGCCTGCTG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0175/G19P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0960
INFORMATION FOR SEQ ID NO: 156:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genelabs Technologies, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 68/123,936
FILING DATE: 17-SEP-193
FRICH APPLICATION NUMBER: US 07/996,783
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-UNN-1991
FILING DATE: 27-UN-1991
FILING DATE: 22-UN-1991
FILING DATE: 22-UN-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               Sequence 156, Application US/08171389 Patent No. 5578444 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 505 Penobscot Drive
CITY: Redwood City
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                                                                                                                                                                                                                                                                          US-08-171-389-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE:
                                                                                                                                                                                                                                                                                                                                    RESULT 4
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APPLICANT: Lenee, Philippe
APPLICANT: Lenee, Philippe
TITLE OF INVENTION: POLKRIBOZYME CAPABLE OF CONFERRING ON PLANTS RESISTANCE
TITLE OF INVENTION: TO VIRUSES AND RESISTANT PLANTS PRODUCING THIS
TITLE OF INVENTION: POLKRIBOZYME
TITLE OF INVENTION: POLKRIBOZYME
FILE REFERENCE: 43944-A-PCT-US
CURRENT APPLICATION NUMBER: 05/08/507,426C
CURRENT APPLICATION NUMBER: 43944-A-PCT-US
PRIOR APPLICATION NUMBER: 43944-A-PCT-US
PRIOR FILING DATE: 1995-10-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PALENTIN VET. 2.1
SEQ ID NO 9
LIENGTH: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                              Sequence 5, Application PC/TUS9513830
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Methods and Kits Using Macrophage Stimulating
TITLE OF INVENTION: Protein
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: Gouth San Francisco
STREET: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 47;
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2 GGACGAATCCACCATGGGGTGGCTCCCACTCCTGCTGCTTCTG 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 22.2; DB 5;
Pred. No. 5.8e+03;
0; Mismatches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winfpatin (Genentech)
CURRENT APPLICATION DATA:
CARPLICATION NUMBER: PCT/US95/13830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P0912PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9, Application US/08507426C Patent No. 6265634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY AGENT INFORMATION:
NAME: MAISCHANG, Diane L.
REGISTRATION UNMBER: 35,600
REFRENCE/DOCKET UNMBER: P0912
TELEPHONE: 415/25-5416
TELEPHONE: 415/95-9881
TELERA: 910/371-7168
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.3%;
Best Local Similarity 69.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 3
US-08-507-426C-9/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TOPOLOGY:
PCT-US95-13830-5
                                                                                             PCT-US95-13830-5
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Sequence 156, Application US/08475228A

Patent No. 5869241

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Edwards, Cynthia A.
APPLICANT: Andrews, Beth M.
APPLICANT: Turin, Lisa M.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 664
CORRESPONDENCE ADDRESS:
GENERAL OF SECULOR TO ALL OF THE CORRESPONDENCE ADDRESSE: General Day Technologies, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.2%; Score 21.4; DB 2; Length 46; 71.8%; Pred. No. 9.3e+03; tive 0; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER FLORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,228A
FILING DATE: 06-JUN 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
PROR APPLICATION DATA:
APPLICATION NUMBER: US 08/081,070
FILING DATE: 22-JUN-1993
ATTORNEY-AGENT INFORMATION:
NAME: STRATFORM NUMBER: 34-440-4175,21/C10D2D2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
US-08-475-228A-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
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2-08-482-080A-156
: Sequence 156, Application US/08482080A
; Patent No. 6010849
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APPLICANT: Edwards, Cynthia A.
                                                                                                                                                                                                                                                                                                                       505 Penobscot Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 4(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (415) 324-0860
TELEFRAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 156
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28; Conservative
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                                                                                                                                                                                                                                                                                                                                              CITY: Redwood City
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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                                                                                                                                                                                                                                                                                                                                                                                                                  94063
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                                                                                                                                                                                                                                                                                                                             STREET:
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;
Query Match 1.2%; Score 21.4; DB 1; Length 46; Best Local Similarity 71.8%; Pred. No. 9.3e+03; Matches 28; Conservative 0; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 46;
                                                                                                                                                                                                                                                           Sequence 156, Application US/08123936
Patent No. 5726014
GENERAL INFORMATION:
APPLICANT: Edwards, Cynthia A.
APPLICANT: Andrews, Beth M.
APPLICANT: Andrews, Beth M.
TITLE OF INVENTION: Screening Assay for the Detection of TITLE OF INVENTION: DNA-Binding Molecules
NUMBER OF SEQUENCES: 640
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: FABLAION GATY R.
REGISTRATION NUMBER: 4600-0075.32/G19P2
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 324-0860
INFORMATION FOR SEQ ID NO: 156:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
US-08-123-936-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                               1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
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71.8%; Pred. No. 9.3e+03;
tive 0; Mismatches 11;
                                                                                                                             2 GCGGTGGATTGGACGCTCCACCAATCACAGGGCAGCGCC 40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Genelabs Technologies, Inc. STREET: 505 Penobscot Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/123,936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94063
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 71.89
Matches 28; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Redwood City
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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                                                                                                                                                                                                                                       US-08-123-936-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
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APPLICANT: Turin, Lisa M.

APPLICANT: Fry, Kirk E.

TITLE OF INVENTION: Sequence-Directed DNA Binding

TITLE OF INVENTION: Molecules, Compositions and Methods

NUMBER OF SEQUENCES: 664

CORRESPONDENCE ADDRESS:

ADDRESSEE Genelabs Technologies, Inc.

STREET: 505 Penobscot Drive

CITY: Redwood City

STREET: CA

COUNTRY: IC*

ZIP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.2%; Score 21.4; DB 4; Length 46; Best Local Similarity 71.8%; Pred. No. 9.3e+03; Matches 28; Conservative 0; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence-Directed DNA Binding Molecules, Compositions and Methods
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/354,947
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1641 GCGCCTGGAGGGATGCCACACCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Brady, John F.
REGISTRATION NUMBER: 39,118
REFERENCE/DOCKET NUMBER: 4600-0175.20/G19P3D1
TELEPANICATION INFORMATION:
TELEPANE: (650) 324-0880
TELEPANE: (650) 324-0960
INFORMATION FOR SEQ ID NO: 156:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 GCGGTGGATTGACGCTCCACCAATCACAGGGCAGCGCC 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRILIA DATE:
PRILICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER: US 08/482,080
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
PRIOR PAPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
PRIOR PAPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
APPLICATION NUMBER: US 08/081,070
FILING DATE: 22-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAMME: REARY ALONE TARGET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US93-12388-156
; Sequence 156, Application PC/TUS9312388
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 9
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                                                                                                                                                                                                             APPLICANT: Andrews, Beth M.
APPLICANT: Turin, Lisa M.
APPLICANT: Turin, Lisa M.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 664
CORRESPONDENCES. 664
ADDRESSEE: Genelabs Technologies, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

BRICH APPLICATION NUMBER:

APPLICATION NUMBER:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

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; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
US-08-482-080A-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4600-0175.20/G19P3D1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 156, Application US/09354947
Patent No. 6384208
GENERAL INFORMATION:
APPLICANT: Edwards, Cynthia A.
APPLICANT: Cantor, Charles R.
APPLICANT: Andrews, Beth M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 4600
TELECOMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 156:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          505 Penobscot Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Brady, John F. REGISTRATION NUMBER: 39,118
                                                                                                                                                                                 Cantor, Charles R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
EDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 505 Penobs
CITY: Redwood City
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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US-09-354-947-156
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Gaps

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Sequence 38, Application US/08285936
Patent No. 5728821
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Yelton, Dale
APPLICANT: Glaser, Scott
APPLICANT: Rosofk, Mae J.
TITLE OF INVENTION: No. 5728821el Mutant BR96 Antibodies and
TITLE OF INVENTION: Functional Equivalents Reactive With Human Carcinomas
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Bldv., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 20.6; DB 1; Length 45;
Pred. No. 1.5e+04;
0; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 90025-3395
COMPUTER READBALE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPATIDLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/285,936
FILING DATE: U4-AUG-1994
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    737 CCTGCACCGCCATCCGGGAAGTGTCCCTGCTCAAGGACCTCAA 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 CCTGCACCACCACTGCTTAGCCCCCTGGCCAAGGTCATCCA 44
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   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/233,009
FILING DATE: 25-APR-1994
CLASSIFICATION: 424
                                                                                             CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Bencen, Gerard H
REGISTRATION NUMBER: 35,746
REFERENCE/DOCKET NUMBER: 19219
TELEPHONE: (908) 594-3901
TELEPHONE: (908) 594-4720
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEPHONE: 310-445-1140
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.2%;
Best Local Similarity 67.4%;
Matches 29; Conservative (
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-285-936-38/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ANTI-SENSE:
US-08-233-009-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 11
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Sequence 33, Application US/08233009
Patent No. 5646156
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Jacobson, Robert G
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: INHIBITION OF EOSINOPHIL
TITLE OF INVENTION: ACTIVATION THROUGH A3 ADENOSINE RECEPTOR ANTAGONISM
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING CALL ATTORNEY AND GALY 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
PCT-US93-12388-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Rahway
CITY: Rahway
STATE: New Jersey
COUWTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                 1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
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                          ADDRESSEE: Genelabs Technologies, Inc. STREEF: 505 Penobscot Drive CITY: Redwood City STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
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Best Local Similarity 71.8
Matches 28; Conservative
CORRESPONDENCE ADDRESS:
                                                                                                                                                                USA
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                                                                                                                                                                COUNTRY:
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ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
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STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM:
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                                                                                                               NEW YORK
: USA
                                                                                          CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
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US-08-850-049-47
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US-08-050-478-47
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US-00-487-860-38/c
Sequence 38, Application US/08487860
Patent No. 5/92456
GENERAL INFORMATION:
APPLICANT: Glaser, Scott
APPLICANT: Hose, William
APPLICANT: ROSOK, Mae J.
TITLE OF INVENTION: No. 5/92456el Mutant BR96 Antibodies and
TITLE OF INVENTION: Functional Equivalents Reactive With Human Carcinomas
NUMBER OF SEQUENCES: 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ó:
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                                     Query Match 1.2%; Score 20.6; DB 1; Length 45; Best Local Similarity 67.4%; Pred. No. 1.5e+04; Matches 29; Conservative 0; Mismatches 14; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: F.LOPPY ULSK.

COMPUTER: IBM PC compatible
OPERAITHG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,860
FILING DATE: 07-JUN 1995
CLASSIECATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34.470
REFERENCE/DOCKET NUMBER: 34.470
REFERENCE/DOCKET NUMBER: 310.445-9031
TELEPAN: 310-445-9031
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                328 ATTGTGCACGAGGACTTGAAGATGGGGTCTGATGGGGAGGTG 370
                                                                                                                 328 ATTGTGCACGAGGACTTGAAGATGGGGTCTGATGGGGAGAGTG 370
                                                                                                                                          44 ACTGTGCAAGAGGCCTGGACGACGGGCCTGGTTTGCTTACTG 2
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Pred. No. 1.5e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Bldv., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
TITLE OF INVENTION: METHOD OF ELIMINATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 13
US-08-850-049-47
Sequence 47, Application US/08850049;
Patent No. 5965726
GENERAL INFORMATION:
APPLICANT:
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MOLECULE TYPE: DNA (genomic)
US-08-487-860-38
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Best Local Similarity 67.4%;
Matches 29; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 90025-3395
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Los Angeles
STATE: CA
US-08-285-936-38
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NUMBER OF EXCURRENCES. INIBIDIORY/INSTABILITY RECIONS OF MRNA NUMBER OF SECURACES. INIBIDIORY/INSTABILITY RECIONS OF MRNA STREET 345 PARK AVENUE
CORRESSENS. MORRAR STRINGEAN
STREET 345 PARK AVENUE
COMPUTER: NEW YORK
COMPATINE. 18M YORK
COMPATINE. 19M YORK
SECTION NUMBER: 19M YORK
COMPATINE. 19M YORK
COMPATINE. 19M YORK
COMPATINE. 19M YORK
OUT Y MATCH
SECTION NUMBER: 03 07 47 19M
TELEBAN: 01 11 14 1 14 19M
TELEBAN: 01 11 14 19M
TELEBAN: 01 14 19M
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Search completed: March 4, 2003, 00:52:00 Job time: 80 secs
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TOPOLOGY:
US-09-414-117-47
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TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF MRNA
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11; Indels
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1.2%; Score 20.4; DB 2;
Best Local Similarity 71.1%; Pred. No. 1.7e+04;
Matches 27; Conservative 0; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         325 GAGATTGTGCACGAGGACTTGAAGATGGGGTCTGATGG 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 GAGACGGTGCCCGTGAAGTTGAAGCCGGGGATGGATGG 44
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURREWT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: US/058,747
FILING DATE: 29-MAR-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: US/058,747
FILING DATE: 29-MAR-1993
CLASSIFICATION NUMBER: US/0588,747
FILING DATE: 27-MAR-1992
CLASSIFICATION NUMBER: 34,398
REFERENCE/OFOKET NUMBER: 2026-4006US1
TELEPHONE: (212)751-6849
INPORMATION POS EQUI DNO: 47:
CLENGTH: 48 BASE PAIRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/414,117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 47, Application US/09414117; Patent No. 6291664
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LINEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: U
ZIP: 10154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-050-478-47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     325 GAGATTGTGCACGAGGACTTGAAGATGGGGTCTGATGG 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 29-MAR-1993
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 2026-4006US1
TELEPHONE: (212)751-6849
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE GIARACTERISTICS:
LENGTH: 48 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDRONES: SINGLE
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1: /cgn2\_6/ptodata/2/pubpna/USO7\_PUBCOMB.seq:\*
2: /cgn2\_6/ptodata/2/pubpna/USO7\_NEW\_PUB.seq:\*
3: /cgn2\_6/ptodata/2/pubpna/USO6\_NEW\_PUB.seq:\*
4: /cgn2\_6/ptodata/2/pubpna/USO6\_NEW\_PUB.seq:\*
5: /cgn2\_6/ptodata/2/pubpna/USO7\_NEW\_PUB.seq:\*
6: /cgn2\_6/ptodata/2/pubpna/USO8\_NEW\_PUB.seq:\*
7: /cgn2\_6/ptodata/2/pubpna/USO8\_NEW\_PUB.seq:\*
8: /cgn2\_6/ptodata/2/pubpna/USO8\_NEW\_PUB.seq:\*
9: /cgn2\_6/ptodata/2/pubpna/USO8\_NEW\_PUB.seq:\*
10: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
11: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
11: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
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13: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
14: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
15: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
16: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
16: /cgn2\_6/ptodata/2/pubpna/USO8\_PUBCOMB.seq:\*
16: /cgn2\_6/ptodata/2/pubcOMB.seq:\*
17: /cgn2\_6/ptodata/2/pubcOMB.seq:\*
18: /cgn2\_6/pto

Published\_Applications\_NA:\*

Database :

Description	Sequence 6, Appli Sequence 752, Appl Sequence 25, Appl Sequence 94, Appl Sequence 47, Appl		Sequence 35, Appl Sequence 35, Appl Sequence 517, App Sequence 121, App Sequence 33, Appl Sequence 32, Appl	Sequence 9, Appli Sequence 104, App Sequence 105, App Sequence 67, Appl
SUMMARIES	US-10-054-444-6 US-09-801-274-752 US-10-029-413A-25 US-09-943-722-47 US-09-943-722-47	US-09-147-142-12 US-09-263-959-758 US-09-790-417-235 US-10-073-256-27	US-10-073-256-35 US-09-801-274-517 US-09-83-959-121 US-09-776-940-23 US-09-918-066-32	US-10-118-231-9 US-09-840-277-104 US-09-840-277-105 US-09-753-436-67
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% Query Match Length DB	3 4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	. 4. 4. 4 10. 0 4. 4	446444 124662	744 844 884
% Query Match	22222			
Score	21.8 21.6 21.4 20.4 20.4	19.6 19.6	19.2 19.2 19.2 19	18.8 18.8 18.8
Result No.	H 4 10 4 10 40	0 0 0 0 10 10 10 10 10 10 10 10 10 10 10	c c 111 c 114 c 14	c 16 17 c 19

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			œ			0	US-09-866-108-15295	Sequence 15295, A
			ж. ж	1.1	4	6	US-09-864-785-3433	Sequence 3433, Ap
			ω.	1.1	4	σ	US-09-938-842A-5256	Sequence 5256, Ap
			œ.	1.1	4	10	US-09-761-534A-18	Sequence 18, Appl
			8	•	m	6	US-10-219-248-31	Sequence 31, Appl
			8	1.0	m	6	US-10-219-247-31	Sequence 31, Appl
			18.2	1.0	m	10	US-09-855-722-31	Sequence 31, Appl
			8	1.0	Ŋ	σ	US-09-943-722-9	Sequence 9, Appli
~	U	29	18	1.0	-	10	US-09-790-417-233	Sequence 233, App
		30	18	1.0	4	12	US-10-043-142-4	Sequence 4, Appli
	٠	31	18	1.0	4	6	US-10-026-914-8	- F4
		32	18	1.0	4	6	US-10-026-914-10	10
	•	33	18	1.0	4	σ	US-10-026-914-14	
		34	18	1.0	4	σ	US-10-026-914-16	Seguence 16, Appl
	•	35	18	1.0	4	σ	٦,	
J	ט			1.0	m	6	US-10-051-989-2	Sequence 2, Appl 1
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	.,		17.8	1.0	4	10	US-09-865-807-25	,
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J	0			1.0	4	12	US-10-073-256-25	25
J				1.0	4	12	US-10-073-256-33	3 6
J				1.0	4	12	US-10-073-256-34	2 6
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				-	4	ית	-09-864-785-33	Seguence 3311, Ap
	•			1.0	4	0	US-09-864-785-3491	Sequence 3491, Ap
							ALIGNMENTS	
RE	RESULT	1						
ST.	- 1(	US-10-054-444-6	144-6					
••	Š	Sequence 6,	6, App	lica	Application US/10054444	1001	14444	
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US-10-054-444-6

Sequence 6, Application US/10054444

Sequence 6, Application US/20020164342a1

GENERAL INFORMATION:
APPLICANT: GUIGATE, DAIL M.
APPLICANT: GOLGSTEIN, Joel
APPLICANT: GOLGSTEIN, Joel
APPLICANT: GOLGSTEIN, Joel
APPLICANT: GOLGSTEIN, Joel
APPLICANT: Wu, Zining
TITLE OF INVENTION: Baculovirus for Diagnosis and Treatment of Cat Allergy
CURRENT APPLICATION NUMBER: US/10/054,444

CURRENT APPLICATION NUMBER: EARLIER FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1999-10-05

NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
SEQ ID
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UV 902 AGANCTICTACCAGACCCCCAGACCCCCCAGACCCCCCTORD

DD 2 AGAACCTCCTCCACCAGACCTCCTCCACCAGACCTCCTC 42

RESULT 2
RESULT 2
Sequence 752, Application US/09801274
Fatent No. US20020032319A1
GENERAL INPORMATION:
APPLICANT: Cartill, Michele
APPLICANT: Ireland, James S.

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   METHOD OF ELIMINATING INHIBITORY/INSTABILLITY REGIONS OF MRNA
                                                                                                                                                                                                                Score 21; DB 10; Length 31;
Pred. No. 1.3e+04;
1; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                        577 GICAGCCIAICIGAGAIIGGCIIIGGGAAAC 607
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                                        NUMBER OF SEQ ID NOS: 1802
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 94
LENGTH: 31
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSERICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
PRIOR APPLICATION NUMBER: US 60/206,129 PRIOR FILING DATE: 2000-05-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/943,722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
FILING DATE: 26-0CT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-943-722-47; Sequence 47, Application US/09943722; Publication No. US20020192660A1; GENERAL INFORMATION: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY 34, 398
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)756-4800
TELEFAX: (212)751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: MORGAN & FINNEGAN 345 PARK AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                Query Match 1.2%;
Best Local Similarity 77.4%;
Matches 24; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
TITLE OF INVENTION: M
TITLE OF INVENTION: I
NUMBER OF SEQUENCES:
                                                                                                                                                   ; ORGANISM: Homo sapiens
US-09-801-274-94
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CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 5
                                                                                                                                                                                                                                                                                                             δλ
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US-10-029-413A-25
US-10-029-413A-25
Sequence 25, Application US/10029413A
Sequence 25, Application US/10029413A
Sequence 25, Application US/20020165353A1
SERENT NO US/200165353A1
TURE OF INVENTION: Wichols, Timothy C.
TITLE OF INVENTION: Polypeptides and Therapeutic and Screening Methods Game
TITLE OF INVENTION: Polypeptides and Therapeutic and Screening Methods Using Same
CURRENT FILING DATE: 2002-03-21
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
LENGTH: 45
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                  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.2009-001
CURRENT APPLICATION NUMBER: US/09/801,274
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US 60/187,510
PRIOR APPLICATION NUMBER: US 60/206,129
PRIOR FILING DATE: 2000-03-07
PRIOR FILING DATE: 2000-05-22
NUMBER OF SEQ ID NOS: 1802
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 752
LENGTH: 31
                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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APPLICANT: Ireland, James S.
APPLICANT: Ireland, James S.
TITLE CANT: Lander. Eric S.
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.2009-001
CURRENT APPLICATION NUMBER: US/09/801,274
CURRENT APPLICATION NUMBER: US 60/187,510
PRIOR APPLICATION NUMBER: US 60/187,510
                                                                                                                                                                                                                                                                                                                                                                          Score 21.6; DB 10;
Pred. No. 8.8e+03;
1; Mismatches 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                979 GACCTCAAGCCCCAGAACCTGCTCATCAAC 1008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 GACATCAAGCCCCAKAACCTGCTGGTGGAC 31
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Patent No. US20020032319A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.2%;
Best Local Similarity 80.0%;
Matches 24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) NAME/KEY: partial_cDNA; LOCATION: (1)..(45); OTHER INFORMATION: US-10-029-413A-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-801-274-752
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Sequence 11, Application US/09147142

Sequence 11, Application US/09147142

GENERAL INFORMATION:

APPLICANT: HUDSON, Peter John

APPLICANT: RORTT, Alex Andrew

APPLICANT: IRVING, Robert Alexander

APPLICANT: AVELL, John Leslie

TITLE OF INVERTION: HIGH AVIDITY POLYVALENT AND POLYSPECIFIC REAGENTS

FILE REFERENCE: 010786/012

CURRENT APPLICATION NUMBER: US/09/147,142

CURRENT FILING DATE: 1999-03-05

EARLIER PELICATION NUMBER: PCT/AU38/00212

EARLIER PLICATION NUMBER: AU PO 5917

EARLIER APPLICATION NUMBER: AU PO 5917

NUMBER OF SEO ID NOS: 32

SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 12, Application US/09147142

Patent No. US20020018749a1

GENERAL INFORMATION:

APPLICANT: HUDSON, Peter John

APPLICANT: RAUREL, John Leslie

TITLE OF INVENTION:

FILE REFERENCE: 016786/0212

CURRENT APPLICATION NUMBER: US/09/147,142

CURRENT APPLICATION NUMBER: US/09/147,142

CURRENT APPLICATION NUMBER: US/09/147,142

GURRENT APPLICATION NUMBER: US/09/147,142

GURRENT APPLICATION NUMBER: US/09/147,142

GURRENT APPLICATION NUMBER: US/09/147,142

GURRENT APPLICATION NUMBER: US/09/147,142

EARLIER FILING DATE: 1998-03-05

EARLIER PELING DATE: 1999-03-26

EARLIER FILING DATE: 1997-03-27

NUMBER OF SEQ ID NOS: 32

SEGURAN SEQ ID NOS: 32

SEGURAN SEQ ID NOS: 32
                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: synthetic TYPER INFORMATION: oligonucleotide used to insert codon between VH COTHER INFORMATION: and VL domains of NC10 scFv-0 US-09-147-142-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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0
                                                                       Length 48;
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Pred. No. 2.8e+04;
0; Mismatches 15; Indels
                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    643 GGTACCTATGCCACCGTCTACAAAGGCAAAAGCAAGCTCACAGA 686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGGACCACGGTCACCGTCTCCGGTGATATCGAGCTCACACA 44
                                                                  1.2%; Score 20.4; DB 9;
illarity 71.1%; Pred. No. 2.3e+04;
Conservative 0; Mismatches 11;
                                                                                                                                                                 325 GAGATTGTGCACGAGGACTTGAAGATGGGGTCTGATGG 362
                                                                                                                                                                                              1.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
Best Local Similarity 65.99
Matches 29; Conservative
  LINEAR
                                                                                    Local Similarity
es 27; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-147-142-12/C
; TOPOLOGY:
US-09-943-722-47
                                                                                                                                                                                                                                                                                          RESULT 6
US-09-147-142-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 11
LENGIH: 45
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LENGTH: 45
                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                      Matches
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APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Roop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH U
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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OTHER INFORMATION: Description of Artificial Sequence: synthetic of There information: oligonucleotide used to insert codon between VH COTHER INFORMATION: and VL domains of NC10 scFv-0 US-09-147-142-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                Length 45;
                                                                                                         1.1%; Score 20; DB 10; Length 45
65.9%; Pred. No. 2.8e+04;
tive 0; Mismatches 15; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                    643 GGTACCTATGCCACCGTCTACAAAGGCAAAAGCAAGCTCACAGA 686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: US

ZIP: 98104-7092

ZIP: 98104-71092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MR-1999
CLASSIFICATION:
                                                                                                                                                                                                                                              45 GGGACCACGGTCACCGTCTCCGGTGGTGATATCGAGCTCACACA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 19.8; DB 10;
Pred. No. 3e+04;
0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1689 CTTCCCTGCTTACTCTCTGCCTACCTGCCTG 1719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/JOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPAN: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 758:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 CTTCCTTCTTTCTTCTTCTTCTTCTTGCTG 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 235, Application US/09790417; Patent No. US20010031470A1; GENERAL INFORMATION:
APPLICANT: Shultz, John W
APPLICANT: Lewis, Martin K.
APPLICANT: Lieppe, Donna
                                                                                                                                                                                                                                                                                                                                                             Sequence 758, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 77.4%;
Matches 24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                    Query Match
Best Local Similarity 65.99
Matches 29; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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US-09-790-417-235/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY:
US-09-263-959-758
                                                                                                                                                                                                                                                                                                                                        US-09-263-959-758
                                                                                                                                                                                                                                                                                                                  RESULT 8
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ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                              ORGANISM: Enterococcus faecalis
US-10-073-256-35
   FILE REFERENCE: 19124.0002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Seattle
STATE: Washington
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
CORGANISM: Homo sapiens
US-09-801-274-517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 13
US-09-263-959-121/c
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US-09-801-274-517
                                                                                                                                                                                                                                                                   TYPE: DNA
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Fatent No. US20020120408A1
GENERAL INFORMATION:
APPLICANT: Kreiswirth, Barry N
APPLICANT: Nadich, Steven M
TITLE OF INVENTION: System and Method for Tracking and Controlling Infections
FILE REFERENCE: 19124.0002
CURRENT FILING DATE: 2002-02-13
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 11
20-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-256-35/c
5-10-073-25/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence:probe for oligo; OTHER INFORMATION: 54
US-09-790-417-235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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1.1%; Score 19.4; DB 12; Length 45;
Best Local Similarity 64.4%; Pred. No. 4.1e+04;
Matches 29; Conservative 0; Mismatches 16; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.1%; Score 19.6; DB 10; Length 42; ilarity 66.7%; Pred. No. 3.5e+04; Conservative 0; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1288 ATCCTGTCCAACGAGGAGTTCAAGACATACAACTACCCCAAGTAC 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45 AACCAGCGAAACCAGTAGTACCAGCGAAAGTAGTACTCCAGTAGTAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              759 GTCCCTGCTCAAGGACCTCAAACACGCCAACATCGTTACGCT 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    42 GTACCTGGTAAATGAACTCACCCACGATATCATCACCAAGCT 1
                                                                                                                                                                                                                                                                                                                 TILE OF INVENTION: Nucleic Acid Detection FILE REFERENCE: Pro-103 6868/75528
CURRENT APPLICATION NUMBER: US/09/790,417
CURRENT FILING DATE: 2001-02-22
PRIOR APPLICATION NUMBER: 09/358,972
PRIOR FILING DATE: 1999-07-21
PRIOR APPLICATION NUMBER: 09/042,287
PRIOR FILING DATE: 1998-03-13
NUMBER OF SEQ ID NOS: 290
SOFTWARE: PATENTIN Ver. 2.0
                                      Kephart, Daniel
Rhodes, Richard B.
Andrews, Christine A.
Hartnett, James R.
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; ORGANISM: Enterococcus faecalis
US-10-073-256-27
Mandrekar, Michelle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                               Gu, Trent
Olson, Ryan J.
Wood, Keith W.
                                                                                                                                                                                                                                                                                                  Welch, Roy
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Matches 28; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-073-256-27/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 235
LENGTH: 42
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LENGTH: 45
                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
                              APPLICANT:
APPLICANT:
APPLICANT:
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Sequence 121, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
APPLICANT: Hood, Leey E.
APPLICANT: Rowen, Lee
APPLICANT: Rowen, Ber E.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UNMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                           ö
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Patent No. US20020032319A1

GENERAL INPORMATION:
APPLICANT: Cargill, Michele
APPLICANT: Lander, Eric S.
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.2009-001
CURRENT APPLICATION NUMBER: US/09/801,274
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US 60/187,510
PRIOR APPLICATION NUMBER: US 60/206,129
PRIOR FILING DATE: 2000-03-07
PRIOR FILING DATE: 2000-03-07
NUMBER OF SEQ ID NOS: 1802
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 57
                                                                                                                                                                                                                                                                                                                           16; Indels
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                                                                                                                                                                                                                                                                                                                                                                             1288 ATCCTGTCCAACGAGGAGTTCAAGACATACAACTACCCCAAGTAC 1332
                                                                                                                                                                                                                                                                                                                                                                                                              45 AACCAGTGAAACCAGTAATACAAGCGAAAGCAGCACCTCAAGTAC 1
                                                                                                                                                                                                                                                                    Query Match 1.1%; Score 19.4; DB 12; Best Local Similarity 64.4%; Pred. No. 4.1e+04; Matches 29; Conservative 0; Mismatches 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.1%; Score 19.2; DB 10
Best Local Similarity 80.8%; Pred. No. 3.9e+04;
Matches 21; Conservative 1; Mismatches 4
CURRENT APPLICATION NUMBER: US/10/073,256
CURRENT FILING DATE: 2002-02-13
NUMBER OF SEQ ID NOS: 80
SOFTWARE: Patentin version 3.1
SEQ ID NO 35
LENGTH: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1190 CCACAGGCCGTCCCCTCTTTCCGGGC 1215
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Search completed: March 4, 2003, 00:54:25 Job time: 134 secs
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| Publication No. US20020192813A1
| GENERAL INFORMATION:
| APPLICANT: Conner, Timothy W
| APPLICANT: Santino, Colleen G
| TITLE OF INVENTION: No. US20020192813A1e1 Plant Expression Vectors
| FILE REFERENCE: monocot elements
| CURRENT APPLICATION NUMBER: US/09/376,940A
| EARLIER APPLICATION NUMBER: 60/097150
| BARLIER FILING DATE: 1999-08-19
| UNMBER OF SEQ ID NOS: 63
| SOFTWARE: Patentin Ver. 2.1
| LENGTH: 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.1%; Score 19.2; DB 10; Length 46;
Best Local Similarity 75.0%; Pred. No. 4.7e+04;
Matches 24; Conservative 0; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.1%; Score 19; DB 9; Length 43; Best Local Similarity 65.1%; Pred. No. 5.1e+04; Matches 28; Conservative 0; Mismatches 15; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 79 GGGCCCCGCGCCTCTGAGGTTGCTCGCGCGCCCCCCCCCGATCG 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 32, Application US/09818066
Patent No. US20020032307A1
GENERAL INFORMATION:
APPLICANT: Shuping Tong et al.
TITLE OF INVENTION: HEPADNAVIRUS RECEPTOR
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
                                                                                    FILING DATE: ...
CLASSIFICATION:
ATTONEY/AGENT INNORMATION:
NAME: MCMASTERS, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET WINBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 121:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       319 GCACCAGAGATTGTGCACGAGGACTTGAAGAT 350
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TOPOLOGY: lin
US-09-263-959-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-376-940-23/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/818,066
FILING DATE: 27-Mar-2001
CLASSIFICATION: <unional content of the content of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/683,262
FILING DATE: 18-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: FRASE, Jan1s K.
REGISTRATION NUMBER: 31,819
REFERENCE/DOCKET NUMBER: 00786/287002
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 542-5070
TELEFAX: (617) 542-8906
TELEFAX: (617) 542-8906
TELEFAX: (517) 542-8906
TELEX: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.1%; Score 19; DB 10; Best Local Similarity 71.4%; Pred. No. 5.2e+04; Matches 25; Conservative 0; Mismatches 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1343 CCCTTTTGAGCCACGCACCCGGACTTGATAGCGAC 1377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 CCTTTTGAGCCACGATTCCAGGATGAAACAGAC 36
                                                 COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
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STRANDEDNESS: single
STATE: Massachusetts
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A2331536 1M0059H04 A2985975 2M0268F01 AA204601 mu25c05.r A1475974 t196b06.x BH811451 SALK\_0586 W39000 a2b29b05.r1 AU104829 AU104829 BG422154 602448881 AZ450961 1M0250B05

AZ311362 1M0026F16 AU106960 AU106960 BM397711 5009-0-35 AZ993993 2M0279E13

score:

Perfect

Sequence:

OM nucleic

Run on:

Scoring table:

Searched:

Database

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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

(base 1 to 46) at 10.

Hillier, L., Lennon, G., Becker, M., Bonaldo, M. F., Chiapelli, B., Chissoe, S., Dietrich, N., DiBuque, T., Favello, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Legy, M., Le, M., Le, N., Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M. B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Marra, M. Generation and analysis of 280,000 human expressed sequence tags
                                                                                                                                                                                                                                                                                                                                                                                                                                                   N78054 the mrnh linear EST 28-JAN-1997 yv71g05.rl Soares fetal liver spleen lNFLS Homo sapiens cDNA clone IMAGE:248216 5' similar to gb:x66363 SERINE/THREONINE-PROTEIN MRNASE PCTAIRE-1 (HUMAN);, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                       ALIGNMENTS
                                                                                                                                                                                                                                                                                                               TA165G05Q
AI250043
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AU106349
T74703
AI591257
AZ423762
                            AZ311362
AU106960
AZ331536
AZ985975
AA204601
AI475974
BH811451
                                                                                               W39000
AU104829
BG422154
AZ450961
AU103357
AU103358
AU103358
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BH857724
BH790015
AU102939
AU103583
AU104587
 AU105237
BM397711
AZ993993
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AU104162
BI910989
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N78054.1 GI:1240755
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AUTHORS
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R38968 yd07c08.s1
AW247978 2819657.5
AU107934 AU107934
AZ346286 1M0081C01
AU102877 AU102877
                                                              3, 2003, 22:34:05; Search time 2628 Seconds (without alignments) 10753.853 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                         1 tggaagcagcgtaaaggatg.......gttcacctgcccacttgtcc 1745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
        GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                         16154066 segs, 8097743376 residues
                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUMMARIES
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Listing first 45 summaries
                                            nucleic search, using sw model
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R38968
AW247978
AU107934
AZ346286
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Gapop 10.0 , Gapext 1.0
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gb_est3:*
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em_estpl:*
em_estro:*
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gb_estl:*
gb_est2:*
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                                                                 March
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10:

A2423762 1M0203522 AU107320 AU107320 AA972479 OA42c10.s BH857724 SALK 0159 BH790015 SALK 0529 AU102939 AU102939 AU102938 AU102939 AU104587 AU1045918

AU103357 AU103357 AU103358 AU103358 AU103358 AU103359 AU103361 AU103361 AU103381 AU103381 AU103315 AU103381 AU106349 AU106349 T74703 yee0g05.s1 AI591257 tt75c06.x

AL473116 T. brucel AL250043 qx48f02.x AZ966392 ZM0236B20 AU103382 AU103382 AU103553 AU103553 AU104162 AU104162

BI910989 60306939

Email: est@watson.wustl.edu

45 23.2 21.4 21.2 21.2

Score

Result Š.

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TITLE
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AW247978
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Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hullhan, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Holman, M., M., Hullman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Materston, R., Williamson, A., Wohldmann, P. and Wilson, R.

The Washurder Est Project
Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 1349
High quality sequence starts: 1 High quality sequence stops: 1
Source: IMAGE Consortium, LINL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@lamage.llnl.gov)
                                                                                                                                                                                                                                                                              R38968 28 bp mRNA linear EST 04-MAY-1995 yd07c08.sl Soares infant brain lNIB Homo sapiens cDNA clone IMAGE:25073 3' similar to gb:X66363 SERINE/THREONINE-PROTEIN KINASE PROFERE (HUMAN); mRNA sequence.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality Insert Length: 1438 Std Error: 0.00 Seq primer: reverse ET High quality sequence stop: 1. Location/Qualifiers
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0
                                                                                                                                                                                             /db_xref="taxon:9606"
/clone="ltMAGE:48216"
/clone_lib="Soares fetal liver spleen lNFLS"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ch 2.6%; Score 45; DB 14; Length 46; 1 Similarity 97.8%; Pred. No. 0.78; 45; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1700 ACTCTCTGCCTACCTGCCTGAGCCATGTTCACCTGCCCACTTGTCC 1745
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                                                                                                                                                             /organism="Homo sapiens"
/db_xref="GDB:3797462"
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Seg primer: -21m13
High quality sequence stop: 1.
Location/Qualifiers
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JOURNAL
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NIH-MGC http://mgc.nci.nih.gov/.

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

National Institutes of Health, Mammalian Gene Collection (MGC)

Other_ESTS: 2819657.3prime

Contact: Robert Strausberg, Ph.D.

Email: capabs-refmail.nih.gov

Tissue Procurement: DcTD/Drp cDNA Library Preparation: Ling

Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.

Consortium (LiLL) DNA Sequencing by: Berkeley MGC sequencing

project clone distribution: MGC clone distribution information can

be found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.lln.gov/Dbry/mage/image.html Base Calling / Quality

Scores: PHRED from University of Washingtion Genome Center

Trimming: cross_match from University of Washingtion Genome Center

PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley

Drosophila Genome Project. University of Washingtion Genome Center

http://www.genome.washington.edu Low Quality Sequence: 8 contiguous

PHRED high quality bases following vector sequence: Very Low

Quality Sequence: Trace file contained 48 contiguous distinct peaks

following vector sequence.
                                                                                                                                               AW247978 48 bp mRNA linear EST 07-JAN-2000 2819657.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2819657 5',
                                                                                                                                                                                                                                                                                                                                                              double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned linto the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 48)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                  /db_xref="taxon:9666"
/clone="IMAGE:25073"
/clone_lib="Soares infant brain INIB"
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/clone_lib="NIH_MGC_7"
/tissue_type="small_cell_carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
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9.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.6%; Score 28; DB
100.0%; Pred. No. 9.1
:ive 0; Mismatches
/organism="Homo sapiens"
/db_xref="GDB:397420"
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High quality sequence stop: 8.
Location/Qualifiers
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Best Local Similarity 100.0
Matches 28; Conservative
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AW247978
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AZ346286
AZ346286.1 GI:10425619
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: 801 585 5606
Fax: 801 585 7177
                                                                                             Mus musculus
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nes 26; Conserv
                                                                           house mouse.
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        ACCESSION
VERSION
KEYWORDS
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                                                                                                                                                                               AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shizokanedal, Minatoku, Tokyo 108-8639, Japan
4-6-1, Shizokanedal, Minatoku, Tokyo ac. p
Suzuki,Y., Yoshitomo-Tokyo.ac. p
Suzuki,Y., Yoshitomo-Tokyagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.

Diverse transcriptional initiation revealed by fine, large-scale
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AU107934 50 bp mRNA linear EST 30-AUG-2001 AUG-2001 AUG-2001 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone HSI01159, mRNA sequence. AU107934
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/note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2: ECORI; CDNA made by oligo-dT priming. Directionally cloned into ECORI/XhoI sites using the following 5' adaptor: GCAGCAGG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-CDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone_lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                      Score 23.2; DB 10;
Pred. No. 1.8e+05;
0; Mismatches 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.2%; Score 21.4; DB 9;
80.6%; Pred. No. 5.1e+05;
Live 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                      1573 TCAGGCAGGCCAGCTTTCCGCGTGGTGGACACCGAG 1608
                                                                                                                                                                                                                                                                                                                                            11 TCAGGCAATCCTGCTCTCGCCTGGGGAACAGCGA 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="HSI01159"
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21270072
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                                                                                                                                                                                                                                      n 1.3%;
Similarity 77.8%;
                                                                                                                                                                                                                                                                                28; Conservative
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Best Local S:
Matches 28,
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KEYWORDS
SOURCE
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AU107934
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AZ346286
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(http://www.jax.orgn.scources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant valocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwalet (gifty7321141gplAR129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared adaptored mouse DNA was annealed to
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 36)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,M., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
                                                                                                                                                                                                                                                                                                                                                                                                                            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, 84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                         Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Mus musculus"
/strain="c57BL/6J"
/db_xrt=taxon:10090"
/dboar=uuGc1M0081cOl"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0081 row: C column: 01
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Class: plasmid ends
High quality sequence stop: 36.
Location/Qualifiers
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LOCUS
DEFINITION
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Gaps

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Eukaryotas, Alveolatas, Ciliophora; Oligohymenophorea; Eukaryotas, Alveolatas, Ciliophora; Oligohymenophorea; Hymenostomatida; Tetrahymenia, Tetrahymena.

1 (bases 1 to 50)

1 (bases 1 to 50)

1 (bases 1 to 50)

1 urkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel, J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells unpublished (2002)

Contact: Turkewitz AP

Molecular Genetics and Cell Biology

University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EST 17-JAN-2002
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/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
1 2 3 9 2 t 8 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kirk, K.E., Frankel
/organism="Homo sapiens"
/db_xref="taxon:5606"
/clone="Hkc08919"
/clone_lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U377 cells"
                                                                                                                                                                                                                                                                                                                                                                                                                                                             BM397711 50 bp mRNA linear EST 17.5009-0-35-H11.t.2 Chilcoat/Turkewitz cDNA (large fraction)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 CCCCGCGGACTCCCAGCTTTGTCCCNCNNNNNNCGCTCTCCCTG 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Tetrahymena thermophila"
/strain="CU428.1"
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                                                                                                                                                                                                             Score 21; DB 9;
Pred. No. 6.3e+05;
                                                                                                                                                                                            1.2%; Scor.
82.8%; Pred. No. v...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: apturkew@midway.uchicago.edu
Seq primer: T3.
                                                                                                                                                                                                                                                                                                       558 CAGCCGCCGCCTCCGTCGTCAGCCTAT 586
                                                                                                                                                                                                                                                                                                                               35 CAGCTGCCGCCCATCCTGTCCGCCTAT 7
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                                                                                                                                                                                                                                                           24; Conservative
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Best Local Similarity
Matches 27; Conserv
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Best Local 9
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AZ993993
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KEYWORDS
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                                                                                                                                                        Changes 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Tsunoda,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                      Department of Virology

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5mail: yezukiteims.u-tokyo.ac.jp

Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 bp mRNA linear EST 30-AUG-2001 AU105237 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone HRC08919, mRNA sequence.
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1 (bases 1 to 50)

Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
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                                                                                                                 Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
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/db_xref="taxon:9606"
/clone="CoL03075"
/clone=lib="Sugano Homo sapiens CDNA library"
/notne="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
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Contact: Yutaka Suzuki
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(http://www.bax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with 74 DNA polymerase and 74 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (qi|4732114 qip.lat129072.1), a copy-number inducible derivative of plasmid Rl. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli Xil0-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                  Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 566
Fax: 801 585 7177
                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (Dases 1 to 48)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly and Wright, D., Weiss, R., Stokes, R., Tingey, A., von Niederhausern, A. Mose whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus G57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1. 48
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/strain="C57BL/6J"
/clone="UUGC1M0026F16"
/clone=lth="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.0
Plate: 0026 row: F column: 16
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 48.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                     Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Best Local Similarity 67.4<sup>§</sup>
Matches 29; Conservative
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                                                                                                                                                                                                                                                             Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Weiss B. Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
Laboratory Mouse DNA Resource
Mus musculus
Eukaryota Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 46)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
151am, H., Longarers, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
                                                                                                                                                                                                                       Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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/clone_lib="Mouse 10kb plasmid UUGC2M library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0279 row: E column: 13
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends

    .46
    /organism="Mus musculus"
    /strain="C57BL/6J"

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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genet
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1.2%; Score 20.6; DB 17; Length 48; 67.4%; Pred. No. 7.88+05; ive 0; Mismatches 14; Indels
                                                                     1499 CTACTTCCATATTTGCACTAAAGGAGATTCAGCTACAAAAGGA 1541
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/organism="Mus musculus"
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                                                                                                                                   /sex="Male
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       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                       Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Minatcku, Tokyo 108-8639, Japan
Email: ysuzukiélins.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,R., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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1M0059H04R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
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Dunn,D., Adyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1...50

/organism="Homo sapiens"

/db_xref="#askon:9606"

/clone="CAS09689"

/clone="Lib="Sugano Homo sapiens CDNA library"

/note="Differential display comparison of untreated and dimethylfumarate treated U337 cells"
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Unpublished (2000)
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Insert Length: 10000 Std Error: 0.00
Plate: 0059 row: H column: 04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         clone UUGC1M0059H04 R, DNA sequence.
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Seg primer: CACACAGGAAACAGCTATGACC
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University of Utah Genome Center
University of Utah
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Location/Qualifiers
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                                                                                                                                                                                                                                                    Contact: Yutaka Suzuki
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Fax: 801 585 7177
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                                                                   REFERENCE
                                                                                      AUTHORS
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 45)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longarce, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
A., Rose, M., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
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Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                               /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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                                                                                       /clone="UUGCIM0059H04"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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ilarity 71.1%; Pred. No. 8.6e+05;
Conservative 0; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1644 GCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCCCA 1681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0268 row: F column: 01
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
/strain="C57BL/6J"
/db_xref="taxon:10090"
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Location/Qualifiers
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Email: CapbS-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NI-GAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A1475974

40 bp mRNA linear EST 14-APR-1999 t196b06.x1 NCI_CGAP_CO14 Homo sapiens CDNA clone IMAGE:2154899 3'
similar to TR:017352 Q17352 RRW-TYPE RNA BINNING PROTEIN.; contains element MSR1 repetitive element; ', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Bukaryota; Merazoa; Chordata; Catarrhini; Hominidae; Homo. 1 (bases 1 to 40)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                       /db_xref="taxon:10090"
/clone="IMAGE:640424"
/clone_lib="Soares_thymus_2nbMT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.2%; Score 20.2; DB 9; llarity 75.8%; Pred. No. 9.9e+05; Conservative 0; Mismatches 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           www-bio.lln1.gov/bbrp/1mage/image.htm1
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/clone_lib="NCI_CGAP_Co14"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              33 ATGGGGTGTGTGAGCTGCATGTGCTCTGTGCTG 1
                                                                               /organism-"Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40 bp
                                                                                                                                                                                                                      /tissue_type="Thymus"
/dev_stage="4 weeks"
/lab_host="DH10B"
         High quality sequence stop: 1. Location/Qualifiers
                                                                                                        /strain="C57BL/6J'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AI475974.1 GI:4329019
                                                                                                                                                                                                  /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 7
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AI475974/c
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                                                                                                                                                                              //doce="Vector: PWAZDVY; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 k range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (qi4732114 (pbl.AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli X110-Gold (Stratagene) cells and selected for ampicillar resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sclurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 49)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Schellenberg, K., Steptoe, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA204601 49 bp mRNA linear EST 19-FEB-1997 mu25c05.rl Soares_thymus_2NbMT Mus musculus cDNA clone IMAGE:640424 5' similar to SW:143G_BOVIN P29359 14-3-3 PROTEIN GAMMA ;, mRNA
                                                                                                                                                               /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                  /clone_lib="Mouse 10kb plasmid UUGC2M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.2%; Score 20.2; DB 17; Length 45; 68.3%; Pred. No. 9.5e+05; tive 0; Mismatches 13; Indels
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Possible reversed clone: similarity on wrong strand
Seq primer: -28M13 rgv2 from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 AAGCAGCGTAAAGGATGGACAGGAATGCAGAGGTAGGCAGG 44
                        /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The WashU-HHMI Mouse EST Project
                                                                     /db_xref="taxon:10090"
                                                                                            /clone="UUGC2M0268F01"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA204601.1 GI:1800608
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/tissue_type="moderately-differentiated adenocarcinoma"
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